

TRIMERIZATION CATALYST FOR ETHYLENE AND ETHYLENE TRIMERIZING METHOD USING THE SAME

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Abstract of JP2004136271

PROBLEM TO BE SOLVED: To provide a trimerization catalyst for ethylene capable of efficiently producing 1-hexene from ethylene in a highly selective manner, and an ethylene trimerizing method using the same.

SOLUTION: The trimerization catalyst for ethylene comprises a component, which is obtained by reacting water and/or a water-containing compound with an alkyl group-containing compound and further adding the alkyl group-containing compound to allow the same to act under heating, a component, which is obtained by removing a solid substance after water and/or the water-containing compound and the alkyl group-containing compound were reacted with each other and the alkyl group-containing compound is further added to be allowed to act under heating and an organometal complex wherein a neutral multidentate ligand having a tripod type structure is coordinated. This catalyst is used in the trimerizing reaction of ethylene.

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